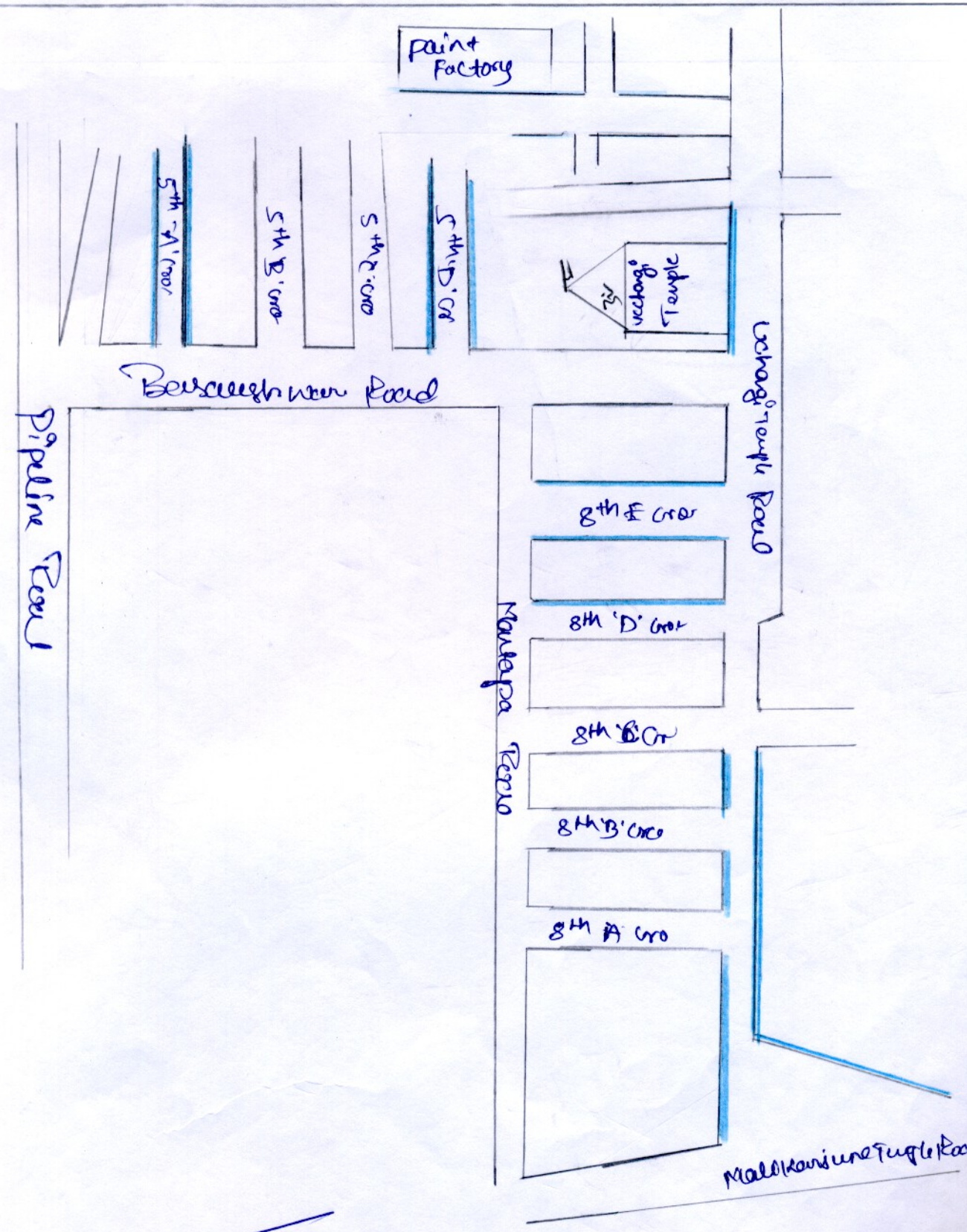
Name of work: Construction of RCC Drain in Basaveshwara Roads 5th 'D' Cross two Side and other Roads in ward no 13 in Shettyhalli Sub-Division



Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work:Construction Of Rcc Drain In Basaveshwara Road 5th D Cross Two Side and Other roads in Ward No.13, Shettyhalli Sub Division.

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16.								
	9th Cross R/S	Cum	1	118.00	0.90	0.80	84.96		
	9th Cross L/S		1	78.00	0.90	0.80	56.16		
	Near Ucchangi Temple		1	40.00	0.90	0.80	28.80		
	8th 'D' Cross		1	45.00	0.90	0.80	32.40		
	8th 'E' Cross		2	44.00	0.90	0.80	63.36		
	5th 'D' Cross		2	107.00	0.90	0.80	154.08		
	5th 'A' Cross		2	60.00	0.90	0.80	86.40		
							506.16	83.16	**42092.27**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
		83.16							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16								
	9th Cross R/S	Cum	1	118.00	0.90	0.15	15.93		
	9th Cross L/S		1	78.00	0.90	0.15	10.53		
	Near Ucchangi Temple		1	40.00	0.90	0.15	5.40		
	8th 'D' Cross		1	45.00	0.90	0.15	6.08		
	8th 'E' Cross		2	44.00	0.90	0.15	11.88		
	5th 'D' Cross		2	107.00	0.90	0.15	28.89		
	5th 'A' Cross		2	60.00	0.90	0.15	16.20		
							94.91	5236.92	**497009.89**
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	**5236.92**							
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2015-16								
		Cum	1x2	118.00	0.15	0.70	24.78		
			1	118.00	0.90	0.15	15.93		
			1x2	78.00	0.15	0.70	16.38		
			1	78.00	0.90	0.15	10.53		
			1x2	40.00	0.15	0.70	8.40		

			1	40.00	0.90	0.15	5.40		
			1x2	45.00	0.15	0.70	9.45		
			1	45.00	0.90	0.15	6.08		
			2x2	44.00	0.15	0.70	18.48		
			2	44.00	0.90	0.15	11.88		
			2x2	107.00	0.15	0.70	44.94		
			2	107.00	0.90	0.15	28.89		
			2x2	60.00	0.15	0.65	23.40		
			2	60.00	0.90	0.15	16.20		
	For Covering		1	118.00	0.75	0.15	13.28		
			1	78.00	0.75	0.15	8.78		
			1	40.00	0.75	0.15	4.50		
			1	45.00	0.75	0.15	5.06		
			2	44.00	0.75	0.15	9.90		
			2	107.00	0.75	0.15	24.08		
			2	60.00	0.75	0.15	13.50		
		Cum					**319.82**		
	Deduct For Ready Slab		216	0.60	0.90	0.15	**17.48**		
					Net Qty		**302.34**	6198.12	**1873955.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16								
		Qtls		302.34	x	60kgs	18140.40		
							181.40	6851.31	**1242855.00**
	Basic Rate	6463.50							
	Area Weightage @ 6%	387.81							
	Total	**6851.31**							
6	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16								
		Sqm	1x4	118.00		0.75	354.00		
			1x4	78.00		0.75	234.00		
			1x4	40.00		0.75	120.00		
			1x4	45.00		0.75	135.00		
			2x4	44.00		0.75	264.00		
			2x4	107.00		0.75	642.00		
			2x4	60.00		0.75	360.00		
			1	118.00		0.60	70.80		
			1	78.00		0.60	46.80		
			1	40.00		0.60	24.00		
			1	45.00		0.60	27.00		
			1	44.00		0.60	26.40		
			1	107.00		0.60	64.20		
		Sqm					**2368.20**	301.04	**712923.00**
	Basic Rate	284.00							
	Area Weightage @ 6%	17.04							
		301.04							

	...iding & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using ...mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	1	18.00	0.60	0.90	9.72		
			1	16.00	0.60	0.90	8.64		
			1	14.00	0.60	0.90	7.56		
			1	13.00	0.60	0.90	7.02		
			2	18.00	0.60	0.90	19.44		
			2	15.00	0.60	0.90	16.20		
	Damaged Slab		2	38.00	0.60	0.90	41.04		
	Approved Rate of Precast slab	1600					**109.62**	1600	**175392.00**
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16								
	Qty Vide Item No=1	Cum					**506.16**		
	Qty Limited to						**506.16**	81.73	**41371.00**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	68.00							
		75.68							
	Area Weightage @ 8%	6.05							
	Total	**81.73**							
								Sub Total	**4585583.16**
9	KRIDL Charges 8+1%								412702.48
10	Miscellaneous and unforseen Charges								1714.36
								Total	**5000000.00**

(Rupees Fifty Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2015-16
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. CE/DZ/TS/68/2016-17. ದಿನಾಂಕ : 14-11-2016
ರೂ. 50.00 Lakhs (Rupees Fifty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. JC/D/AS/PRS2/16-17 ದಿನಾಂಕ : 14/11/16
ರೂ. 50.00 lakhs only (Rupees fifty lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.